

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application No.	10/718,914
Filing Date	11/21/2003
Inventor	Gerard Jakuszeski
Art Unit	3677
Examiner Name	FLEMMING SAETHER
Atty Docket No.	9-9540-6520-0000-4

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Exam. Init.	Pat. No.	Issue Date	Name of Patentee	Pgs.	Area	Apparent Disclosure
	720,580	02-17-1903	Greenfield	1-3	bolt	a threaded rod
	843,720	02-12-1907	Waddell	1-3	bolt	a bolt including teeth
	887,962	05-19-1908	Reisner	1-3	bolt	a threaded sleeve (3)
	948,326	02-08-1910	Hesse	1-3	bolt	a bolt (2)
	986,510	03-14-1911	Scott	1-2	bolt	a bolt includes identical flanges
	1,201,944	10-17-1916	Dodds	1-3	bolt	a railroad bolt permitting longitudinal yielding
	1,363,710	12-28-1920	Best	1-2	bolt	a nut lock for rail tracks
	1,592,627	07-13-1926	Egleston	1-3	bolt	a threaded shaft (4)
	1,660,455	02-28-1928	Plumb	1-5	bolt	a threaded socket ends (8)
	1,676,482	07-10-1928	Lapotterie	1-4	bolt	a method of threading bolts by a swaging action
	1,761,581	06-30-1930	Northey	1-3	bolt	a keyed bolt
	1,798,604	03-31-1931	Hoke	1-10	bolt	a self locking screw thread
	1,799,941	04-07-1931	Wulie	1-5	bolt	a sleeve provided with threads
	1,807,494	05-26-1931	Proctor	1-3	bolt	a locking thread connection including preformed screw threads locked in relative motion
	1,828,856	10-27-1931	Bridges	1-8	bolt	a screw thread for locking including a self-locking thread between the crest and the root
	1,834,871	12-01-1931	Rosenberg	1-4	bolt	a bolt with a spring (21)
	1,868,083	07-19-1932	Wheelwright	1-4	bolt	a stay bolt including a tell-tale hole
	2,037,066	07-10-1933	Cook	1-3	bolt	a bolt used as a connector
	1,923,647	08-22-1933	Verg	1-3	bolt	a bolt having a flange that is axially resistant
	2,060,593	11-10-1936	Schuarte	1-4	bolt	a threaded shaft having various cross-sectional dimensions
	2,095,397	10-12-1937	Overmyer	1-3	bolt	a threaded shank and ferrule (9)
	2,109,778	03-01-1938	Meersteiner	1-3	bolt	a screw locking means for a nut and a bolt
	2,112,494	03-29-1938	Olson	1-4	bolt	a fastener including a working shifting (24) locking means on the head of a bolt
	2,128,757	08-30-1938	Olson	1-5	bolt	a bolt head including locking protrusions
	2,135,637	11-08-1938	Gade	1-4	bolt	a locking set screw
	2,177,003	10-24-1939	Purtell	1-3	bolt	a self-locking screw thread
	2,177,004	10-24-1939	Purtell	1-5	bolt	a self-locking screw including a locking ridge (5)
	2,177,005	10-24-1939	Purtell	1-3	bolt	a self-locking screw including a lip (5)
	2,253,241	08-19-1941	MacDonald	1-4	bolt	a locking bolt including thread extensions
	2,254,503	09-21-1941	Thomas	1-9	bolt	a threaded fitting
	2,284,659	06-02-1942	Hosking	1-7	bolt	threading and thread locking sections on bolts
	2,301,181	11-10-1942	Lisemann	1-4	bolt	a bolt with self locking threads
	2,266,758	12-23-1942	Holtz	1-5	bolt	a tension lock and bolt including a permanent expanded resistant portion
	2,314,897	03-30-1943	Purinton	1-3	bolt	a tack fastener used to hold buttons on garments
	2,342,170	02-22-1944	Tinneman	1-7	bolt	a bolt used with spring nut; bolt threads bearing high pitch
	2,356,098	08-15-1944	Steinle	1-5	bolt	a bolt with changing thread pitch
	2,367,213	01-16-1945	Harding	1-12	bolt	a bolt including a self locking threaded element
	2,371,365	03-13-1945	Tomalis	1-4	bolt	a self-locking screw
	2,377,405	06-05-1945	Davies	1-3	bolt	a fastening device including a tapered thread section
	2,382,019	08-14-1945	Miller	1-3	bolt	a screw including an upper section and a lower section; the lower section includes a lesser diameter
	2,407,160	09-03-1946	Kohn	1-3	bolt	a self-locking bolt with slotted thread portion
	2,409,638	10-22-1946	Lyon	1-4	bolt	bolt with longitudinally extending slot
	2,414,870	01-28-1947	Harding	1-5	bolt	a self-locking screw and bolt
	RE22,926	10-07-1947	Tinnerman	1-3	bolt	a bolt used with a U-shaped frictional engager
	2,428,783	10-14-1947	Cole	1-4	bolt	a bolt with longitudinally extending slots
	2,432,531	12-16-1947	Lyon	1-4	bolt	a bolt used to fasten wheel cover
	2,437,638	03-09-1948	Evans	1-10	bolt	a screw thread including a pre-determined interference fit
	2,444,276	06-29-1948	Aldrich	1-3	bolt	a bolt (12) used with a washer
	2,484,645	10-11-1949	Baurne	1-3	bolt	a bolt including a locking thread provided with protuberances

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Exam. Init.	Pat. No.	Issue Date	Name of Patentee	Pgs.	Area	Apparent Disclosure
	2,637,361	05-05-1953	Nagel	1-3	bolt	a self-locking set screw including a trilobular cross section
	2,679,774	06-01-1954	MacDonald	1-3	bolt	a locking bolt including threaded extensions
	2,735,470	02-21-1956	Poupitch	1-3	bolt	a self-locking screw that locks a wash piece by impinging the crown of the thread of the workpiece
	2,741,289	04-10-1956	Grow	1-4	bolt	a bolt with deformable flange with biting teeth
	2,788,046	04-09-1957	Rosan	1-5	bolt	a fastener thread including a wedging washer
	2,856,617	10-21-1958	Widmann	1-7	bolt	a bolt with self-locking screw
	2,844,038	04-28-1959	Overton	1-3	bolt	a bolt head with undercut to received flowable lead washer
	2,901,019	08-25-1959	Schweppe	1-5	bolt	a self-locking stud including a thread cutting structure
	2,913,031	11-17-1959	McKay	1-8	bolt	a self-locking bolt with a groove
	2,937,060	05-17-1960	Lachance	1-3	bolt	a threaded axle including a groove (56)
	2,939,160	06-07-1960	Mitchell	1-3	bolt	a bolt head including radius
	2,959,204	11-08-1960	Rigot	1-2	bolt	a bolt with flange having biting teeth
	3,010,503	11-28-1960	Beuter	1-3	bolt	a locking bolt including a recess (14)
	3,020,570	02-13-1962	Wallace	1-5	bolt	a method for making a fastener including a plastic plug
	3,076,208	02-05-1963	Moore	1-2	bolt	a set screw including a mutilated thread crest
	3,083,796	04-02-1963	Bell	1-3	bolt	a bolt (18) seared to a structured structural member (15)
	CH 374 858 A	01-31-1964	Nienburger Metallwar	1-4	bolt	a bolt including a cap
	3,124,188	03-10-1964	Muenchinger	1-5	bolt	a locking-screw with a conventional helical thread and an interrupted helical thread
	3,182,703	04-11-1965	Smyth	1-7	bolt	a self locking screw with threaded fasteners member
	3,196,918	07-27-1965	Hampton	1-7	bolt	a self-locking threaded fastener with an interference portion
	3,241,589	03-22-1966	Enders	1-4	bolt	a nut and bolt including ratchet-type faces
	3,247,877	04-26-1966	Evans	1-4	bolt	a bolt including a thread locking interference fit with a mating internally threaded member; non-circular cross section shape; angled root
	3,248,747	05-03-1966	Scott	1-2	bolt	a thread tap including a primary thread zone, with crests of a constant radial distance, and a secondary tread zone, with crests at a distance less than the crests of the primary zone
	3,249,142	05-03-1966	Phipard	1-7	bolt	a predetermined interference between a male and female members; tri-loblar cross-section.
	3,279,519	10-18-1966	Neushotz	1-5	bolt	a threaded insert with a serrated locking insert
	3,295,580	01-03-1967	Waltermire	1-4	bolt	a bolt having concave locking fins
	3,301,299	01-31-1967	Stanwick	1-4	bolt	an interfacing thread fastener
	3,339,389	09-05-1967	Moscow	1-4	bolt	a self-locking threaded fastening member
	3,399,389	09-05-1967	Wamoscaw	1-14	bolt	a self-locking fastening member
	3,342,234	09-19-1967	Evans	1-7	bolt	a self-locking screw with angled root producing minor diameter crest root interfering with a mating member; trilock cross sectional shape
	3,385,340	05-28-1968	Evans	1-7	bolt	a fastener designed to reduce assembly drag torque
	3,389,735	06-25-1968	Katz	1-3	bolt	a bolt used in a retainer assembly
	3,391,721	07-09-1968	Rosan	1-5	bolt	an insert having integral internal thread locking
	3,417,802	12-24-1968	Oldenkott	1-5	bolt	a bolt with lock washer assembly
	3,418,012	12-24-1968	La Torre	1-7	bolt	to prestress metal surrounding a bore
	3,426,820	02-11-1969	Phipard	1-5	bolt	a fastener of non-cracking cross section with spaced lobes, the lobes providing interference
	3,489,195	02-18-1969	Christian	1-2	bolt	a self locking fastener with distorted thread portions that produce an interference
	3,438,416	04-15-1969	Thurston	1-3	bolt	threaded bolt assembly with wave formed washer
	3,504,722	04-07-1970	Breed	1-6	bolt	a locking fastener with end portion which tapers away from the head

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	3,517,717	06-30-1970	Orlomoski	1-15	bolt	a self-locking screw wherein self locking is achieved by outwardly turned ribs in the flanks of the threads
	3,520,343	07-14-1970	Evans	1-5	bolt	a self tapping locking screw with angled root surface with crest of female that impinges and interfacing with the root; non-circular cross section
	3,530,920	09-29-1970	Podell	1-9	bolt	a self-locking threaded fastener with at least one locking zone
	3,549,204	12-22-1970	Spisak	1-5	bolt	a bolt used in wheel
	6,584,667	06-15-1971	Reiland	1-14	bolt	a torque transferring surface on head of bolt
	3,595,506	07-27-1971	Saunders	1-6	bolt	a wire strap connector with a locking member
	3,605,845	09-20-1971	Junker	1-6	bolt	a self-locking fastener with serrated bearing surface
	3,633,455	01-11-1972	Larson	1-6	bolt	a self thread-forming fastener with easy thread pickup
	3,640,326	02-08-1972	Brown	1-4	bolt	a bolt including a trapezoidal cross-section
	FR 2 121 270	08-18-1972	Barber and Coleman	1-7	bolt	a bolt including a cap
	3,721,283	03-20-1973	Evans	1-8	bolt	self locking screw with root interference with a mating thread
	3,731,725	05-08-1973	Brophy	1-7	bolt	a self-locking screw with cylindrical forming portion
	3,734,483	05-22-1973	Adams	1-10	bolt	recoverable shock mount arrangements
	3,782,436	01-01-1974	Steiner	1-5	bolt	a clinch stud producing inter-locking material flow
	3,812,639	05-28-1974	Sygnator	1-4	bolt	a locking section is generally non-circular in cross section and crest diameters
	3,813,179	05-28-1974	Priest	1-14	bolt	an extruded bolt with co-planar flanges (t-bolt)
	3,825,051	07-23-1974	Sigmund	1-6	bolt	a self-locking bolt with serrated segments
	3,828,515	08-13-1974	Galgoczy	1-7	bolt	a high strength bolt means
	3,830,271	08-20-1974	Soubitez	1-5	bolt	a threaded shaft and cap
	3,850,215	11-26-1974	Orlomoski	1-15	bolt	a self-locking fastener and rolling dies
	3,867,871	02-25-1975	Shore	1-5	bolt	a threaded hold down device
	3,878,759	04-22-1975	Carlson	1-9	bolt	a self-threading bi-lobular bolt
	3,901,066	08-26-1975	Orlomoski	1-15	bolt	a self-locking fastener
	3,907,017	09-23-1975	Stanwick	1-5	bolt	an interfering thread form for male and female fasteners
	3,967,669	07-06-1976	Egner	1-12	bolt	a bolt-type fastener including radial projections
	3,975,992	08-24-1976	Cagle	1-5	bolt	a threaded member 74
	4,223,711	09-23-1980	Tabor	1-6	bolt	a locking bolt with ramps on a bearing surface
	FR 2 457 406 A	12-19-1980	Esslior Intl. CIE GLE	1-12	bolt	a bolt
	4,252,168	02-24-1981	Capuano	1-10	bolt	a bolt including a thread rib/projection
	4,260,055	04-07-1981	Stencel	1-13	bolt	a locking device (26) in FIG. 1
	4,283,091	08-11-1981	Capuano	1-12	bolt	a bolt including a helical camming faces
	4,289,181	09-15-1981	Capuano	1-8	bolt	a bolt including a resiliently deflectable spring
	4,293,256	10-06-1981	Pamer	1-13	bolt	a bolt including a load indicating section
	4,310,272	01-12-1982	Rich et al.	1-8	bolt	a fastener including a cup-shaped clamping means
	4,341,497	07-27-1982	Downey et al.	1-4	bolt	a bolt including an inclined root section
	4,351,626	09-28-1982	Holmes	1-7	bolt	a fastener including a thread that deforms
	4,380,414	04-19-1983	Capuano	1-9	bolt	a bolt including resilient spring members
	4,460,300	07-17-1984	Bettini et al.	1-4	bolt	a bolt with improved cap
	4,478,387	10-23-1984	Postema	1-4	bolt	a bolt (8)
	4,482,278	11-13-1984	Dorn	1-3	bolt	a bolt with a head having a plurality of projections
	4,490,920	01-01-1985	Griset	1-13	bolt	a threaded shaft
	4,544,312	10-01-1985	Stencel	1-7	bolt	a threaded fastener including ridge crests and flutes
	4,583,897	04-22-1986	Briles	1-4	bolt	an annular dovetail head fastener assembly with sealing flanges
	3,384,394	05-21-1986	O'Connor	1-3	bolt	a pipe threaded part
	4,599,172	07-08-1986	Gardes	1-9	bolt	a bolt (82)
	4,621,230	11-04-1986	Crouch et al.	1-12	bolt	a shoulder bolt (30)
	4,657,459	04-14-1987	Landt	1-7	bolt	a bolt including a bearing surface including serrations
	4,712,957	12-15-1987	Edards et al.	1-4	bolt	a fastener including a bore hole
	4,730,966	03-15-1988	Schiefer	1-4	bolt	a bolt including a conically shaped expansion head
	EP 0 265 132 A	04-27-1988	Steelpress Supplies L	1-9	bolt	a bolt including a cap

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	4,790,703	12-13-1988	Wing	1-13	bolt	a bolt with tri-lobular cross-section
	4,934,491	01-19-1990	Yamoako	1-8	bolt	a bolt (20)
	4,944,644	01-31-1990	Bell	1-7	bolt	a bolt with a cover cap and washer
	4,948,319	08-14-1990	Day et al	1-8	bolt	a bolt provided with decorative cap
	4,973,209	11-27-1990	Essom et al	1-7	bolt	a fastener including a series of truncations
	4,976,576	12-11-1990	Mahaney	1-13	bolt	a bolt with a device for retaining the bolt
	4,978,350	12-18-1990	Wagenknecht	1-6	bolt	a threaded pin including evenly spaced flutes
	4,984,938	01-15-1991	Scott, Jr. et al	1-6	bolt	a bolt used with coated washer
	5,011,192	04-30-1991	Campo	1-7	bolt	a bolt for securing a hydraulic fitting
	5,026,961	06-25-1991	Watanabe et al.	1-10	bolt	an adjustable bolt (36)
	5,071,301	12-10-1991	Eglehardt et al.	1-4	bolt	a stud including relief channels
	5,094,143	03-10-1992	Anderson, Jr.	1-15	bolt	a bolt (24)
	5,141,374	08-25-1992	Olofsson	1-7	bolt	a lock-nut used with a lock spring
	5,211,551	05-18-1993	Uppal et al.	1-8	bolt	a bolt (23)
	5,228,725	07-20-1993	Aoyagi et al.	1-6	bolt	a bolt (8)
	5,234,291	08-10-1993	Swemmer	1-4	bolt	a roof bolt including a square cross-section
	5,273,384	12-28-1993	Dunbar	1-4	bolt	a threaded bolt
	5,324,148	06-28-1994	Notaro	1-4	bolt	a two piece lug bolt
	5,333,976	08-02-1994	Dobbrunz	1-8	bolt	a center locking spacing bolt
	5,353,211	10-04-1994	Merko	1-10	bolt	a bolt (56)
	JP 06-341420	12-13-1994	Ueda Akemi	1-7	bolt	a bolt and a washer including ridge shaped projections
	5,407,312	04-18-1995	Terrizzi	1-6	bolt	a bolt having a threaded shank
	DE 44 39567 A	06-22-1995	RADOLID Thiel GmbH	1-6	bolt	a bolt including a cap
	5,449,216	09-12-1995	Gierman, et al.	1-15	bolt	a bolt (96)
	5,452,977	09-26-1995	Terrizzi	1-6	bolt	a fastening system with a fastener having a threaded shank and a head
	5,551,722	09-03-1996	Schwartz et al.	1-8	bolt	a vehicle suspension link comprising a bolt or stud
	5,584,628	12-17-1996	Bemoni	1-6	bolt	a bolt used in wheel assembly
	5,599,148	02-04-1997	Hirose	1-6	bolt	a fixing device for shaft member
	5,622,074	04-22-1997	Cushman	1-9	bolt	a split sidewinder draw machine assembly
	5,634,377	06-03-1997	Kimura et al.	1-26	bolt	an articulated robot motor housing tension displaced by a setting bolt
	5,807,010	09-15-1998	Parker et al.	1-10	bolt	a pivotal ball-end link-includes a washer
	5,810,670	09-22-1998	Yamanuro et al.	1-9	bolt	a method of manufacturing connector bolt
	5,921,520	07-13-1999	Wisniewski	1-5	bolt	a bracket for mounting a fuel filter
	EP 0930 175 A	07-21-1999	Peugot	1-6	bolt	a wheel bolt for light alloy wheels
	6,007,079	12-28-1999	Kincaid et al.	1-11	bolt	a direct acting end link for stabilizer bar-includes a washer
	6,007,109	12-28-1999	Schoetz	1-4	bolt	appears to disclose a flowboat
	6,010,169	01-04-2000	Cox et al.	1-9	bolt	appears to disclose a bolt used to fasten a bumper
	6,023,833	02-15-2000	Jacobsmeier	1-15	bolt	a bolt used with a fastener clip
	6,053,682	04-25-2000	Krauter	1-8	bolt	a flowbolt with a relatively soft coating
	6,062,786	05-16-2000	Garver et al.	1-19	bolt	an anti-cross threading feature
	6,106,077	08-22-2000	Kluge	1-5	bolt	a wheel bolt with a supporting ring
	6,137,080	10-24-2000	Borchardt et al.	1-8	bolt	a bolt (53) threaded into a U-nut
	6,149,363	11-21-2000	March	1-23	bolt	a shank with a large and small diameters
	6,155,157	12-05-2000	Jarrett	1-5	bolt	a bolt (FIG. 1)
	6,155,761	12-05-2000	Donovan	1-11	bolt	an anti-cross threading feature on a bolt
	6,193,283	02-27-2001	Picker, Jr. et al	1-9	bolt	a bolt (280) within a conduit connection
	6,357,953	01-08-2002	Ballantyne	1-7	bolt	a bolt (20) used in a tolerance apparatus
	6,503,038	01-07-2003	McGough	1-4	bolt	flowbolt with external passage
	6,517,222	02-11-2003	Orlov	1-8	bolt	a rod (38) used to hold up fixture
	2003/0108403	06-12-2003	Scoyoc	1-8	bolt	a flowbolt
	6,588,999	07-08-2003	Kubler et al.	1-18	bolt	a bolt used in sealant delivery passage way
	6,776,565	08-17-2004	Chang	1-9	bolt	a bolt that works with washer having sloping faces
	6,860,689	03-01-2005	Attanasio	1-48	bolt	a bolt with recessed engagement sections
	6,878,069	04-12-2005	Swim, Jr.	1-15	bolt	a flowbolt

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	7,004,700	02-28-2006	Wilson	1-7	bolt	a theft deterrent wheel fastener cup and method-cap is decorative and is for nut or bolt
	3,343,580	09-26-2007	Coldren	1-3	bolt	a self-locking bolt with flange
	80,031	07-14-1868	Thompson	1-3	bolt	a bolt in Fig. 1
	324,487	08-18-1885	Rice	1-3	bolt	a threaded bolt (B)
	369,362	09-06-1887	Plank	1-3	bolt	a bolt (e) in Fig. 3
	638,326	12-05-1899	Farr	1-4	bolt	a bolt in Fig. 3
	3,972,360	08-03-1976	Caldwallader	1-7	bolt & screw	a bolt or screw washer a series of serrations
	2,289,066	07-07-1942	Olson	1-5	bolt & washer	a bolt including a permanently retained washer
	3,221,792	12-07-1965	Poupitch	1-3	bolt & washer	a bolt and a washer including a locking element
	3,275,055	09-27-1966	Gutshall	1-6	bolt & washer	a bolt and a washer including a ratchet surface (36)
	3,967,083	06-29-1967	Boulder et al.	1-15	bolt & washer	a washer including a sharp circumferential lip
	3,800,396	04-02-1974	Puchner	1-4	bolt & washer	a bolt used with a lock washer
	3,877,502	04-15-1975	Hunckler	1-5	bolt & washer	a washer with a bulge and a nut
	3,926,237	12-16-1975	Enders	1-9	bolt & washer	a self-locking vibration-proof washer and a threaded shaft
	4,034,788	07-12-1977	Melone	1-7	bolt & washer	a bolt and washer including ratchet teeth
	4,231,281	11-04-1980	Reinwall, Jr.	1-4	bolt & washer	a bolt including serrations
	4,362,449	12-07-1982	Hinsky	1-8	bolt & washer	a bolt with washer used in wheel hubs
	551,043	12-10-1895	Otto	1-2	bolt & washer	a washer including ridges
	712,905	11-04-1902	Cannon	1-3	nut	a nut lock used with a bolt
	794,127	07-04-1905	Slayton	1-5	nut	a nut lock
	827,562	07-31-1906	Pollock	1-3	nut	a nut with depressions and webs
	889,593	06-02-1908	Fleischmann	1-3	nut	a nut with angled face seatings
	909,033	01-05-1909	Smith	1-2	nut	a bolt and a nut with concave faces
	1,036,825	08-27-1912	Garchey	1-3	nut	a lock device for a screw nut
	1,040,215	10-01-1912	Kriner	1-3	nut	a nut lock used with a bolt
	1,081,631	12-16-1913	Siever	1-3	nut	a nut-lock used with a bolt
	1,112,525	10-06-1914	Darling	1-3	nut	a threaded socket that receives a bolt
	1,140,974	05-25-1915	Formby	1-2	nut	a nut-lock used with a bolt
	1,150,362	08-17-1915	Hascall	1-4	nut	a nut lock used with a bolt
	1,229,911	06-12-1917	Dodds	1-3	nut	a nut including a flange
	1,254,514	01-22-1918	Lehmann	1-3	nut	a nut and thread protector
	1,381,437	06-14-1921	Smith	1-6	nut	a hub nut and method of making same-adapted for use with steel disk automobile wheels
	1,611,408	12-21-1926	Bowers	1-3	nut	a nut lock used with a bolt
	1,759,339	05-20-1930	Anderson	1-3	nut	a threaded nut including a circumferential rib
	1,929,808	10-10-1933	Cataline	1-3	nut	a wheel nut including a unitary head and washer
	1,940,675	12-26-1933	George	1-5	nut	a nut used as a wheel nut with a spring washer
	1,952,305	03-27-1934	Beck	1-2	nut	a locknut including locking teeth
	1,957,095	05-01-1934	Cole	1-5	nut	a lock-nut including a helical piece of metal
	2,054,187	09-15-1936	Almdale	1-4	nut	a clinch-nut attache to metal plates
	2,093,026	09-14-1937	Bernhard	1-3	nut	a suspension nut (6) and a threaded shaft
	2,147,211	02-14-1939	Olson	1-4	nut	a nut with recesses and projections for clearing debris
	GB 507 104	07-06-1939	Allam	1-4	nut	a nut including an insert of elastic material
	2,223,202	11-26-1940	Bergan	1-3	nut	a nut including longitudinally extending drain passages
	2,333,388	11-02-1943	Poupitch	1-6	nut	nut that impinges the threads of a screw
	2,393,323	01-22-1946	Hungerford et al	1-5	nut	a threaded fastening device
	GB 618388	04-13-1949	Watson	1-5	nut	a nut including an insert of a plastic material
	2,569,989	10-02-1951	Harding et al.	1-3	nut	a pressure stop nut internally threaded
	2,588,372	03-11-1952	Erb	1-5	nut	a self-locking nut
	2,597,835	05-20-1952	Eksergian	1-6	nut	a nut used as a wheel nut
	2,685,812	08-10-1954	Dmitroff	1-4	nut	a locking torque nut including a driving ring
	2,708,844	05-24-1955	Cincel	1-6	nut	a valve stem cap which locks the hub cap
	2,783,810	03-05-1957	Wrigley	1-3	nut	a nut including a resilient washer arch
	2,844,409	07-22-1958	Eksergian	1-5	nut	a nut used as a wheel nut

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Exam. Init.	Pat. No.	Issue Date	Name of Patentee	Pgs.	Area	Apparent Disclosure
	2,886,088	05-12-1959	Brancato	1-3	nut	a nut including an adjustable insert for adjusting a torque characteristic
	GB 830 722	03-16-1960	Morse	1-7	nut	a nut element including a flange member
	FR 1 261 528 A	05-19-1961	Hennequin Maurice	1-2	nut	a nut and a cap
	JP 61-286606	12-17-1961	Toth	1-6	nut	a wheel nut
	3,078,900	02-26-1963	Walker	1-4	nut	a nut including a flange and deflecting prongs
	3,079,830	03-05-1963	Faroni	1-3	nut	a lock nut including posts (24)
	3,122,386	02-25-1964	Arthur	1-2	nut	a clip type nut
	3,133,579	05-19-1964	Grimm	1-5	nut	a staking device used to provide a positive stop without increasing the bulk of the device
	3,138,407	06-23-1964	Duggan	1-5	nut	nut used as a wheel nut
	3,144,695	08-18-1964	Budwig	1-5	nut	a mounting-type nut
	3,164,055	01-05-1965	Duffy	1-8	nut	a sheet metal nut used with a sealer
	3,204,679	09-07-1965	Walsh	1-3	nut	a sheet metal nut including a flange
	3,208,493	09-28-1965	Holmes	1-8	nut	a lock nut including a resilient finger
	3,212,914	10-26-1965	Baurnie	1-10	nut	a self piercing nut adapted for piercing a panel
	3,253,631	05-31-1966	Reusser	1-4	nut	a cold forged nut including an undercut recess position
	3,253,727	05-31-1966	Hart	1-3	nut	a nut top fastener including threads (26)
	3,305,987	02-28-1967	Weaver	1-9	nut	a short nut having a local supply washer
	3,307,893	03-07-1967	Williams	1-4	nut	a wheel nut used in a wheel
	3,356,421	12-05-1967	Trevarrow, Jr.	1-3	nut	a nut used in wheel cover
	3,399,705	09-03-1968	Breed	1-6	nut	a self-staking insert with polygonal shank
	3,500,886	03-17-1970	Dvorak	1-4	nut	a nut including an extension (50)
	3,520,342	07-14-1970	Scheffer	1-4	nut	a self-locking fastener with a helical thread
	3,543,826	12-01-1970	Fogaard	1-6	nut	a nut including a numbered circumferentially spaced grooves
	JP-46-012-091	04-27-1971		1-2	nut	a nut and a washer including a frusto conical portion
	3,585,900	06-22-1971	Chaivre	1-4	nut	a capped nut, the cup crimped to the nut
	3,649,079	03-14-1972	English	1-5	nut	a nut used as a wheel nut
	3,659,491	05-02-1972	Duff et al	1-6	nut	a sheet metal nut coupled to a washer
	3,750,525	08-07-1973	Waters	1-6	nut	a collapsible threaded nut with annular flange
	3,762,455	10-02-1973	Anderson	1-5	nut	a locknut including a locking element secured with an undercut
	154,255	08-18-1974	Ives	1-2	nut	a carriage-axle nut having a flange
	3,851,690	12-03-1974	Wing et al.	1-8	nut	a nut used with a bolt that prevents loosening
	3,910,331	10-07-1975	Randall	1-3	nut	a nut having a threaded flange
	3,942,570	03-19-1976	Bochman, Jr. et al.	1-10	nut	a nut locking assembly including a lock-ring
	3,960,047	06-01-1976	Liffick	1-4	nut	a nut used as a wheel nut or bolt
	3,971,289	07-27-1976	Chaivre et al	1-4	nut	a wheel nut-capped hexagonal nut for wheel rims
	4,015,503	04-05-1977	Ralph	1-4	nut	a capped wheel nut, the cap crimped to the nut
	4,018,133	04-19-1977	Chaivre et al	1-4	nut	capped wheel nut with tapered end
	4,019,550	04-26-1977	DeHaitre	1-8	nut	sealing nuts with a shouldered insert of heat stabilized-lubricated nylon with a protruding crown
	4,066,278	01-03-1978	Takagi	1-6	nut	a nut threaded on a shaft (FIG. 4)
	4,094,352	06-13-1978	Hlinsky	1-7	nut	a fastener including a plurality of teeth to resist loosening
	4,100,368	07-11-1978	Thomsen	1-4	nut	a bolt receiving connector
	4,123,961	11-07-1978	Chaivre et al	1-10	nut	a wheel nut with welded cap
	JP 54-14351	02-02-1979		1-8	nut	a nut including a cap
	DE 79 16 057 U	09-13-1979	Thiel, Horst	1-7	nut	a nut including a cap
	4,169,630	10-02-1979	Wagner	1-5	nut	a sheet metal nut adapted to be clamped against a plastic work piece
	JP-A-54-147349	11-17-1979		1-3	nut	a nut type fastener (water proof)
	4,201,110	05-06-1980	Hanal et al	1-4	nut	a hub nut with washer-annular bank of alternating ridges and grooves
	4,210,372	07-01-1980	McGee et al.	1-7	nut	a lock nut with notches
	4,275,285	06-23-1981	Jadach	1-7	nut	a nut with decorative cap welded thereon

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	4,281,699	08-04-1981	Grube	1-6	nut	a nut including resilient flange segments
	5,163,739	11-17-1982	Stanlake	1-7	nut	a nut used as a wheel nut
	272,589	02-20-1983	Searls	1-2	nut	a top-prop nut for carriages
	4,376,605	03-15-1983	Thomsen	1-4	nut	a two-piece tubular plastic fastener
	4,382,635	05-10-1983	Brown	1-4	nut	a nut used to fasten wheel cover
	4,420,848	12-20-1983	Becker	1-7	nut	a nut with decorative cap welded thereon
	4,427,326	01-02-1984	Hobson et al.	1-4	nut	a tamper-resistant lug-nut with frangible neck
	4,457,560	07-03-1984	Rowe	1-8	nut	nuts and bolts used in wheel mounting applications
	EP 0 153 487 A1	04-09-1985	Hi-Ton Interantional L	1-11	nut	a nut including a cap
	4,521,146	06-04-1985	Wharton	1-4	nut	a lug nut cap including skirt member
	4,543,023	09-24-1985	Capuano	1-8	nut	a fastener including a wedge-shaped ramps
	4,582,462	04-15-1986	Thiel	1-5	nut	a plastic protecting cap for the clamping on a polygon nut, with a cylinder casing
	GB 2 167 516	05-19-1986	Key Manufacturing Inc.	1-6	nut	a wheel nut that includes a cap
	JP 61-149606	07-08-1986	Toth	1-6	nut	a wheel nut including a cap
	JP-A-61-192915	08-27-1986		1-4	nut	a nut including a cap
	4,627,776	12-09-1986	Pamer et al.	1-8	nut	a nut and washer combination
	GB 2 176 859 A	01-07-1987	Key International Man	1-5	nut	a nut including a cap
	4,637,766	01-20-1987	Milliser	1-7	nut	a nut including a groove to form a mechanical lock
	GB 2 179 416 A	03-04-1987	Auto Turned Product	1-4	nut	a nut including a cap
	4,659,273	04-21-1987	Dudley	1-5	nut	a lug attachment for detecting wheel removal
	4,665,803	05-19-1987	Mathuser	1-6	nut	a nut in FIG. 1
	4,669,937	06-02-1987	Feldman	1-4	nut	a nut with a decorative cap
	4,717,299	01-05-1988	Underwood	1-4	nut	a nut body and a washer
	DE 87 15 472 U	02-04-1988	Bergisch Achsenfabri	1-10	nut	a cap for a nut
	4,744,119	05-17-1988	Omori	1-4	nut	a nut used with as a lug nut, also includes cap
	4,761,860	08-09-1988	Krauss	1-5	nut	a fastener including projections
	4,764,070	08-16-1988	Baltzell	1-4	nut	a nut with cap secured by adhesive
	4,775,272	10-04-1988	Toth	1-8	nut	a decorative capped wheel nut for holding a wheel and method of making same
	4,798,507	01-17-1989	Olak	1-4	nut	a sheet metal U-nut including roll-tapped threads
	4,810,106	03-07-1989	Ohike	1-7	nut	a bearing support including threads
	4,813,835	03-21-1989	Toth et al.	1-6	nut	a nut with a decorative cap
	4,815,920	03-28-1989	Morooka	1-7	nut	a lock-nut with synthetic resin threading
	4,824,305	04-25-1989	McCauley	1-6	nut	a nut with a decorative cap
	4,842,339	06-27-1989	Roulinson	1-9	nut	a nut used as a wheel nut
	4,850,776	07-25-1989	Toth	1-8	nut	a decorative capped wheel nut for holding a wheel and method of making same
	4,869,633	09-26-1989	Hayashi	1-5	nut	a locking lug nut including a tapered washer
	4,883,399	11-28-1989	MacLean	1-7	nut	plastic encapsulated nut and washer assembly includes a plastic retainer or body
	4,887,950	12-19-1989	Sakayori et al	1-17	nut	a nut coated with a synthetic resin for underwater use
	4,969,788	01-13-1990	Goiny	1-7	nut	a nut including a pressure ring attached thereto
	4,898,429	02-06-1990	Pumer	1-7	nut	a nut used as a wheel nut
	4,900,206	02-13-1990	Kazino et al	1-6	nut	a nut with a cover of synthetic resin
	4,907,924	03-13-1990	Figini	1-13	nut	backward starting lock nut-polygonal shaped metal nut having a threaded axial base
	4,955,772	09-11-1990	Reck	1-7	nut	a fastener clip for receiving a screw
	4,955,773	09-11-1990	Toth	1-8	nut	a decorative capped wheel nut for holding a wheel and method of making same
	4,968,202	11-06-1990	Lanham	1-8	nut	a decorative and protective cap for locknut including a metal nut body
	4,986,712	01-22-1991	Fultz	1-3	nut	a flanged nut used with a cup washer
	4,993,902	02-19-1991	Hellon	1-5	nut	a plastic capped lock nut includes a metal body having a threaded bore
	4,998,780	03-12-1991	Eshler et al.	1-7	nut	nuts with covers
	4,999,899	03-19-1991	Sawyer	1-6	nut	a u-nut fastened to a fastening member

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	5,003,341	03-26-1991	Ohtorii	1-25	nut	a u-nut (258)
	5,028,093	07-02-1991	Nason	1-4	nut	a protective lubricating cap for wheel nuts of a truck
	5,048,898	09-17-1991	Russell	1-6	nut	a molded thermo plastic lug nut suitable for mounting wheel covers
	5,054,988	10-08-1991	Shiraiwa	1-13	nut	a u-nut (36)
	5,082,409	01-21-1992	Bias	1-10	nut	a vehicular lug nut cover and clip having a plurality of generally planar, side surfaces--with cap
	5,112,176	05-12-1992	McCauley	1-7	nut	a lock-nut including an external groove
	5,145,273	09-08-1992	Hellon et al.	1-9	nut	a locking member including two portions joined together
	5,163,797	11-17-1992	Patti	1-5	nut	an ornamental lug nut covers protection vehicle lug nuts and threads; with cap
	5,180,266	01-19-1993	Nolan et al.	1-5	nut	a nut with decorative cap used as wheel nut
	5,181,737	01-26-1993	Hudgins et al.	1-5	nut	a nut used in wheel covers
	5,190,423	03-02-1993	Ewing	1-8	nut	a nut including wedge elements
	5,193,884	03-16-1993	Sheu et al.	1-12	nut	a lug nut including inner threads
	5,203,656	04-20-1993	McKinlay	1-8	nut	a nut assembly including cam surfaces
	5,219,255	06-15-1993	Hussain	1-7	nut	a nut assembly including a bolt and a washer
	5,297,854	03-29-1994	Nielson et al.	1-14	nut	a lug nut for wheel cover
	5,302,069	04-12-1994	Toth et al.	1-7	nut	a stepped capped wheel nut
	5,306,091	04-26-1994	Zaydel et al.	1-7	nut	a sheet metal nut & u nut
	5,320,461	06-14-1994	Stanesic	1-4	nut	a a nut-type fastener including a clip
	5,350,266	09-27-1994	Epsey et al.	1-4	nut	a plastic nut and cap assembly
	5,380,070	01-10-1995	FitzGerald	1-3	nut	a vehicle wheel lug nut cover with a dome shaped tube
	5,423,646	06-13-1995	Gagnon	1-6	nut	a u-nut adapted for use with a stand off fastener
	5,520,445	05-28-1996	Toth et al.	1-7	nut	nuts used in wheel cover assemblies
	5,533,849	07-09-1996	Burdick	1-6	nut	a self locking but for a wheel bearing
	5,597,278	01-28-1997	Peterkort	1-6	nut	a flanged nut with a retainer washer
	5,597,279	01-28-1997	Thomas	1-8	nut	a wheel nut and washer for a male or female threaded fastener
	5,626,449	05-06-1997	McKinaly	1-11	nut	a wedge locking fastener assembly with a camouflage nut and washer
	5,649,587	07-22-1997	Plant	1-6	nut	a fan shroud and receptacle arrangement u-nut clip
	5,711,581	01-27-1998	Plumer	1-25	nut	a wheel opening inserts and lug nut assemblies thereof for mounting vehicle wheels
	5,713,707	02-03-1998	Gagnon	1-6	nut	a u-nut and stand off fastener
	5,730,568	03-24-1998	Lanham et al.	1-6	nut	a nut used in aluminum rims
	5,752,794	05-19-1998	Krawczak	1-6	nut	a fastener retention system for a wheel cover of a vehicle--includes a lug nut
	5,772,377	06-30-1998	Bydalek	1-5	nut	a cupped wheel nut fastener free of welding
	5,779,411	07-14-1998	Vasseur et al.	1-7	nut	a pre-assembly nut made of plastic
	5,810,532	09-22-1998	Huang	1-7	nut	a vehicle lug nut covers installation over a bolt
	5,820,322	10-13-1998	Hermann et al.	1-9	nut	a fastening element for a shaped rail includes a rail nut
	5,842,749	12-01-1998	DiMarco	1-10	nut	a covered lug retention assembly for wheel cover--includes a nut cap assembly
	EP 0 939 236 A1	01-09-1999	JPE, Inc.	1-6	nut	a nut including a cap
	5,857,818	01-12-1999	Bias, Sr.	1-5	nut	nuts used in wheel cover assemblies
	5,893,694	04-13-1999	Wilusz et al.	1-4	nut	a caged nut fastener
	5,918,946	07-06-1999	DimMarco	1-5	nut	a lug nut lock
	5,961,264	10-05-1999	Postadan	1-8	nut	a multi-threaded nut assembly having tilted barrel section
	5,967,721	10-19-1999	Giachinta et al.	1-8	nut	a loosening resistant threaded fastener system and method for use--includes a washer
	5,980,177	11-09-1999	Schiess et al.	1-9	nut	a fastener with a threaded post and nut
	6,006,414	12-28-1999	Corporon, et al.	1-5	nut	a floating spring-nut for threaded fasteners

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Exam. Init.	Pat. No.	Issue Date	Name of Patentee	Pgs.	Area	Apparent Disclosure
	6,036,420	03-14-2000	Somers et al	1-4	nut	a capped wheel nut, including an O-ring seal
	6,039,408	03-21-2000	Alvarez	1-11	nut	a break-away lug nut
	6,039,524	03-21-2000	McKinlay	1-10	nut	a wheel nut with notches in a flange
	6,074,148	06-13-2000	Wilson	1-3	nut	nuts used in wheel cover assemblies
	6,102,488	08-15-2000	Wilson	1-5	nut	a torque angle limiting wheel nut
	6,142,579	11-07-2000	Thiel	1-5	nut	a protective cap for wheel nut
	6,183,180	02-06-2001	Copple et al	1-12	nut	a nut and bolt assemblies mounted on walls
	6,206,606	03-27-2001	Mita et al.	1-12	nut	use of a nut in framing a pipe to a panel
	6,220,806	04-24-2001	Chapman et al.	1-7	nut	a push nut fastener
	DE 199 56 287 A1	05-31-2001	August Friedberg Gm	1-8	nut	a nut and an integral washer
	6,263,562	07-24-2001	Gosis et al.	1-10	nut	a U-nut and installation tool
	6,287,064	09-11-2001	Jhumra et al.	1-14	nut	a U-nut clip type fastener assembly
	6,305,627	10-23-2001	Stiner et al	1-9	nut	a nut used in a fishing reel
	6,308,997	10-30-2001	Haseley et al	1-13	nut	a tamper resistant locking device used with a nut
	6,318,942	11-20-2001	Wiecozorek	1-6	nut	a lug caps for lug nuts
	6,450,747	09-17-2002	Fischer	1-9	nut	U-nut fasteners
	EP 1 248 004 A2	10-09-2002	Industrial Automotive	1-10	nut	a wheel nut including a cap
	6,511,132	01-28-2003	Wright	1-14	nut	jam nuts attached to lug bolts
	6,554,552	04-29-2003	McKinlay	1-8	nut	a nut and washer assembly
	JP-2003-247519	05-09-2003	Yanmar Co. Ltd.	1-6	nut	a threaded nut type fastener
	6,592,314	07-15-2003	Wilson	1-6	nut	a nut and washer assembly
	6,655,745	12-02-2003	Fohrenkamm, et al.	1-12	nut	a u-nut used with a bolt (94)
	6,711,809	03-30-2004	Fischer et al.	1-22	nut	a u-nut fasteners
	6,749,386	06-15-2004	Harris, Jr. et al.	1-10	nut	a nut and washer assembly
	6,814,400	11-09-2004	Henderson et al	1-7	nut	a bolt (70) used with a U-Nut (72)
	6,827,539	12-07-2004	Somers	1-9	nut	a wheel nut with a decorative cap
	2005/0008457	01-13-2005	winkler	1-7	nut	a nut and washer assembly
	6,843,631	01-18-2005	Winker	1-6	nut	a nut used with a locking element
	2005/0095085	05-05-2005	winker	1-6	nut	a nut and washer assembly
	6,896,465	05-24-2005	Anderson, Jr.	1-10	nut	a nut used with cammed washers
	6,899,503	05-31-2005	Anderson et al.	1-7	nut	a nut used with a stemmed washer
	6,916,144	07-12-2005	Lees	1-8	nut	a wheel nut assembly
	6,935,825	08-30-2005	Winker	1-6	nut	a nut used as a wheel nut
	6,860,692	03-01-2006	Van Ingen et al.	1-6	nut	a nut with a cap
	292,063	01-15-1884	Shailer	1-3	nut	a lock nut including a serrated outer edge
	553,780	01-28-1896	Dickason	1-3	nut	a nut lock including a ratchet washer
	367,196	07-26-1887	Deblieux	1-2	nut	a lock nut including a concave flange
	613,776	11-8-1898	Plain	1-3	nut	a nut locking feature
	443,799	12-30-1890	Searls	1-4	nut	a top-prop nut for carriages with flanged head
	218,425	8-12-1879	Bradley	1-2	nut	a top-prop nut for carriages
	684,673	10-15-1901	Clark	1-4	nut & bolt	a nut and a washer including a rib
	715,891	12-16-1902	Somerby	1-3	nut & bolt	a nut including teeth
	738,217	09-08-1903	Love	1-5	nut & bolt	a nut, bolt and a washer including a groove
	752,628	02-16-1904	Miner	1-2	nut & bolt	a bolt and a nut including teeth
	793,824	07-04-1905	Culliney	1-4	nut & bolt	a nut and a bolt including teeth
	853,005	04-14-1908	Kesler	1-3	nut & bolt	a bolt and a nut provided with locking spurs
	910,712	01-26-1909	McCoy	1-3	nut & bolt	a bolt and a nut with shoulders (10)
	920,947	05-11-1909	Gilmore	1-4	nut & bolt	a nut and a bolt with engaging teeth
	949,741	02-15-1910	Loehr	1-2	nut & bolt	a bolt including a slot
	1,015,059	01-16-1912	Morgan	1-3	nut & bolt	a nut and a bolt
	1,016,897	02-06-1912	Ryan	1-2	nut & bolt	a nut and a bolt
	1,049,590	01-07-1913	Mosher	1-3	nut & bolt	a bolt and a nut with a flange
	1,059,260	04-15-1913	Barrett	1-3	nut & bolt	a lock-nut including prongs
	1,064,792	06-17-1913	Vance	1-3	nut & bolt	a bolt and a nut with lugs
	1,075,310	10-07-1913	Ulrich	1-3	nut & bolt	a nut and a bolt
	1,158,454	11-02-1915	De Camp	1-2	nut & bolt	a nut and bolt including locking wedges
	1,210,310	12-26-1916	Hickling	1-2	nut & bolt	a nut and a bolt

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Exam. Init.	Pat. No.	Issue Date	Name of Patentee	Pgs.	Area	Apparent Disclosure
	1,250,748	12-18-1917	Woodward	1-3	nut & bolt	a nut and bolt including self-locking threads
	1,297,845	03-18-1919	Hawrylasz	1-3	nut & bolt	a nut and a bolt including flanges
	1,300,801	04-15-1919	Woodward	1-3	nut & bolt	a locking type screw thread
	1,320,259	10-28-1919	Martens	1-2	nut & bolt	a nut, bolt, and washer
	1,374,106	04-05-1921	Perlman	1-4	nut & bolt	wheel-locking wedge lug for locking a demountable rim
	1,406,315	02-14-1922	Whittaker	1-2	nut & bolt	a nut including tooth to cut across the thread of a bolt
	1,495,687	05-27-1924	Grosclaude	1-3	nut & bolt	a bolt including grooves and a lock nut
	1,554,249	09-22-1925	Wolf	1-4	nut & bolt	a nut and a bolt (13)
	1,556,599	10-13-1925	Harbecke	1-4	nut & bolt	a nut (20) and a bolt (20)
	1,581,559	04-20-1926	Williams	1-3	nut & bolt	a bolt and a nut including a projecting tongue
	1,622,581	03-29-1927	Gunkel	1-3	nut & bolt	a nut, bolt, and a washer; including stop members
	1,362,082	07-05-1927	Hultgreen	1-3	nut & bolt	a bolt and a lock-nut including a washer
	1,697,118	01-01-1929	Hoke	1-11	nut & bolt	male and female locking threads of constant pitch
	1,708,793	04-09-1929	Jones	1-3	nut & bolt	a bolt including a strip of spring metal
	1,741,279	12-31-1929	Bowman	1-3	nut & bolt	staple type fastener
	2,308,967	01-19-1934	Kuss	1-5	nut & bolt	a nut shown with a bolt
	DE 593 758	03-02-1934	Lydia Schubert	1-3	nut & bolt	a nut and a bolt
	1,953,305	04-03-1934	MacLean	1-5	nut & bolt	a bolt head including a ridge (2)
	1,969,796	08-14-1934	Hoke	1-4	nut & bolt	a bolt and nut including abutment ribs (19)
	2,037,586	04-14-1936	Olson	1-10	nut & bolt	a nut and a bolt including locking elements
	2,133,555	10-18-1938	Mayfield	1-2	nut & bolt	threaded cap nut including cam surfaces
	2,147,209	02-04-1939	Olson	1-3	nut & bolt	a nut and bolt with protuberances on underside of head
	2,226,491	12-24-1940	Gustafson	1-3	nut & bolt	a nut and bolt with an underside of the head providing back off protection
	2,234,677	03-11-1941	Larsen	1-4	nut & bolt	a bolt and nut (38)
	2,278,062	03-31-1942	De Koharovich	1-3	nut & bolt	a nut and bolt used with lock washers
	2,467,548	04-19-1949	Bradley	1-3	nut & bolt	a nut (14) and a bolt (12)
	2,498,221	02-21-1950	Poupitch	1-5	nut & bolt	a fastener for use with relatively thin sheet metal
	2,661,969	12-08-1953	Thiry	1-4	nut & bolt	a threaded shaft (55) and a nut (57)
	2,740,650	04-03-1956	Hutton	1-4	nut & bolt	a nut and a bolt
	2,819,105	01-07-1958	Behnke	1-3	nut & bolt	a bolt (29) and a nut (30)
	2,833,326	05-06-1958	Knohl	1-4	nut & bolt	a nut and bolt with locking projections on the underside of the head
	2,914,149	11-24-1959	Walker	1-6	nut & bolt	a bolted joint including a bolt (24) and a nut (26)
	2,937,040	05-17-1960	Hutton	1-3	nut & bolt	a joint including a bolt (44) and a nut (26)
	3,306,669	05-29-1962	Schultze	1-6	nut & bolt	a cutter for removing material
	3,056,443	10-02-1962	Knocke	1-5	nut & bolt	a nut and bolt with resilient locking flange
	3,078,899	02-26-1963	MacLean III	1-8	nut & bolt	a nut and bolt including a toothed bearing surface
	3,139,786	07-07-1964	Ardell	1-3	nut & bolt	a fastening-device including a head formed by a
	3,158,390	11-24-1964	Wooling	1-4	nut & bolt	a tapered thread flute to prevent leaking
	3,366,421	01-30-1968	Bradley	1-3	nut & bolt	a vehicle single disk wheel
	3,386,771	06-04-1968	Verdier	1-3	nut & bolt	a mount for vehicle wheels with threaded studs
	3,398,775	08-27-1968	Louis	1-3	nut & bolt	a nut including a "skew" to jam against the threads of a bolt
	3,492,906	02-03-1970	Hauser	1-3	nut & bolt	threaded section between a shank and the top
	3,561,820	02-09-1971	Chaivre	1-4	nut & bolt	a wheel nut including a cap
	3,693,685	09-26-1972	Onufer	1-12	nut & bolt	a bolt that configures female threads in a bore
	3,742,808	07-03-1973	Trembly	1-9	nut & bolt	a composite, self-sealing female fastener with washer
	3,816,701	06-11-1974	Stromer	1-6	nut & bolt	a piston and piston rod for hydraulic shock absorber
	3,823,526	07-16-1974	Rose	1-3	nut & bolt	a fastener with a concave recess and a projection
	3,857,611	12-31-1974	Pansky	1-7	nut & bolt	a wheel construction with oversized stud apertures with selected alignment
	3,881,391	05-06-1975	Dereszynski	1-4	nut & bolt	a bolt and a nut
	4,076,064	02-28-1978	Holmes	1-5	nut & bolt	a locking thread design for a male and a female fastener

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	4,113,278	09-12-1978	Rissberger	1-6	nut & bolt	a bolt 57 and a nut 84
	4,134,438	01-13-1979	Friberg et al.	1-7	nut & bolt	a bolt, nut and a washer including a cammed face
	4,150,702	04-24-1979	Holmes	1-7	nut & bolt	a torque fastener in combination with a standard thread and a steep thread
	4,171,012	10-16-1979	Holmes	1-7	nut & bolt	a locking thread design for male and female fasteners
	4,220,188	09-02-1980	McMurray	1-7	nut & bolt	a locking fastener including ramps on a bearing surface
	4,269,248	05-26-1981	MacLean et al.	1-5	nut & bolt	a nut including a flexible flange
	4,286,642	09-01-1981	Keatley	1-4	nut & bolt	a nut for isolating vibration
	4,294,300	10-13-1981	Bouwman	1-5	nut & bolt	a fastener including teeth at a bearing surface
	4,331,414	05-24-1982	Wheatley, Jr.	1-5	nut & bolt	a fastener including threads to prevent leaking
	4,339,179	07-13-1982	Dany	1-5	nut & bolt	a bolt used in eyeglasses
	4,498,825	02-12-1985	Pamer et al.	1-7	nut & bolt	a fastener including a load indicating flange
	DE 33 35 723 A	04-11-1985	Rodolid Thiel GmbH	1-10	nut & bolt	a nut and bolt including a cap
	4,552,379	11-12-1985	Foster	1-8	nut & bolt	a nut and bolt (56) FIG. 1
	4,557,654	12-10-1985	Masuda et al	1-9	nut & bolt	a nut with cover engaging a bolt
	4,644,379	09-16-1986	Heitzman	1-6	nut & bolt	a nut (50) and a bolt (22)
	JP-62-010101	01-22-1987		1-19	nut & bolt	a nut and a bolt
	4,674,931	06-23-1987	Schwind et al.	1-8	nut & bolt	a u-nut and a molded plastic screw
	JP-A-62-176828	08-03-1987		1-4	nut & bolt	a nut and u-bolt including a cap
	4,704,058	11-03-1987	Crunwell	1-8	nut & bolt	a fastener including a first headed thread and an opposite headed thread
	4,708,555	11-24-1987	Terry	1-8	nut & bolt	a nut including ramps
	4,808,050	02-28-1989	Landt	1-7	nut & bolt	a nut and bolt including a plurality of serrations
	4,867,625	09-19-1989	Dixon	1-15	nut & bolt	a swag-type fastener including a nut and bolt
	4,897,005	01-30-1990	Peterson et al	1-5	nut & bolt	a bolt and u-nut with two legs
	4,941,787	07-17-1990	Shaffer	1-6	nut & bolt	a nut and a bolt having contiguous respective elliptical circular surfaces
	4,944,523	07-31-1990	Hardey et al.	1-10	nut & bolt	a nut (30) and a bolt 24
	5,061,132	10-02-1991	Consenza	1-7	nut & bolt	a nut and bolt including helically extending flutes
	5,080,545	01-14-1992	McKinlay	1-4	nut & bolt	a fastener system including wedge lock device
	5,090,855	02-25-1992	Terry	1-18	nut & bolt	a fastener assembly including cam surface
	DE 41 05 741 A	09-03-1992	Daimler Benz AG	1-6	nut & bolt	a bolt and a nut including a cap
	5,360,304	11-01-1994	Fitzgerald	1-8	nut & bolt	a lock nut bolt having a lead relative to the locknut
	5,370,486	12-06-1994	Plummer	1-19	nut & bolt	a vehicle locking fastener assembly with a cylindrically shaped lock nut body--with cap
	5,590,922	01-07-1997	Russell	1-10	nut & bolt	a cover for a bolt and nut-cover attached to bolt
	5,632,584	05-27-1997	Acevedo	1-8	nut & bolt	a nut-type clip fastener for receiving a bolt
	DE 298 15 492 U1	10-29-1998	Quo Jun Geng	1-10	nut & bolt	a nut or bolt including an integral washer
	4,784,555	11-15-1998	Cantrall	1-4	nut & bolt	a nut (12) and a bolt (11)
	4,793,752	12-27-1998	Friberg	1-6	nut & bolt	a bolt or screw member having a cam nut or cam head
	5,890,859	04-06-1999	Hasnik	1-6	nut & bolt	security arrangement for removing a nut or bolt
	5,984,602	11-16-1999	Park	1-11	nut & bolt	a nut and a bolt, the nut including waves (32) or bearing surface
	6,135,691	10-24-2000	Nadarajah	1-11	nut & bolt	protective caps for nut & bolt assemblies
	6,227,782	05-08-2001	Bowling et al.	1-26	nut & bolt	a bolt with a V looking element
	6,273,658	08-14-2001	Patterson et al.	1-11	nut & bolt	a lug and lug nut enclosures
	6,290,445	09-18-2001	Duran et al.	1-13	nut & bolt	an apparatus for forming pin and nut fasteners
	6,305,890	10-23-2001	Okamura	1-25	nut & bolt	a covering device for a nut or bolt
	2002/0039522 A1	04-04-2002	Hartman	1-15	nut & bolt	a bolt with a tooth arrangement on underside of the head
	6,435,791	08-20-2002	Bydalek	1-9	nut & bolt	wheel fasteners
	6,199,925	12-31-2002	Duran et al.	1-13	nut & bolt	a pin and nut used to fasten panels
	6,572,127	06-03-2003	Pazdirek	1-8	nut & bolt	a threaded shaft suspension link assembly for a vehicle suspension system
	2003/0194294	10-16-2003	Wilson	1-6	nut & bolt	a nut & washer assembly

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	6,808,350	10-26-2004	Tooman	1-6	nut & bolt	a nut and bolt with a cap covering both
	GB 26739	12-08-2004	Marshall	1-3	nut & bolt	a bolt and a nut
	6,866,457	03-15-2005	Wilson	1-10	nut & bolt	a nut and bolt with decorative caps
	6,957,939	10-25-2005	Wilson	1-9	nut & bolt	a nut and bolt with decorative caps
	1,727,590	09-10-2029	Ferry	1-3	nut & bolt	a threaded cap used on bolt
	185,936	01-02-1877	Landfear	1-2	nut & bolt	a nut and bolt
	243,493	06-28-1881	Bloom	1-2	nut & bolt	a nut and bolt
	369,392	09-06-1887	Bungarz	1-2	nut & bolt	a nut (b) and a bolt (a)
	197,467	11-27-1877	Harvey	1-2	nut & bolt	a nut and bolt
	3,999,583	12-28-1976	Nelson	1-4	nut & screw	a plastic u-nut and screw
	4,218,954	08-26-1980	Morel	1-6	nut & screw	a plastic fastening device for receiving a screw
	2,619,146	11-25-1952	Poupitch	1-3	nut & washer	a nut and washer; an annular groove to lock to the washer
	2,681,678	06-22-1954	Hage	1-3	nut & washer	a nut and washer including holes (15) and tongues (17)
	JP-51-026263	02-26-1976		1-7	nut & washer	a nut and a washer including ridge shaped projections
	4,431,353	02-14-1984	Capuano	1-16	nut & washer	a nut and washer assembly
	4,621,831	11-11-1986	Takadera et al	1-10	nut & washer	a nut (36) and a bolt (33)
	JP-62-171510	07-28-1987	Kawabata Yoshio	1-3	nut & washer	a nut and a washer including locking projections
	4,812,094	03-14-1989	Grube	1-7	nut & washer	a nut and washer including a tab
	5,507,517	04-16-1996	Krawczak	1-6	nut & washer	a nut and washer assembly for a bushing
	5,688,091	11-18-1997	McKinlay	1-6	nut & washer	a washer that attaches to nut
	819,158	05-01-1906	Neider	1-2	screw	a carriage-curtain knob with nail and washer
	1,000,280	08-08-1911	Messenger	1-3	screw	a wood screw including a channel
	1,011,398	12-12-1911	Andregg	1-2	screw	a screw including a shank having two diameters
	1,048,590	12-31-1912	Russell	1-3	screw	a threaded splice for a rail way application
	1,070,247	08-12-1913	Haines	1-3	screw	a screw including a helical groove
	1,088,892	03-03-1914	Foreman	1-3	screw	a self-locking screw that deflects and interlocks itself with a companion screw, including a longitudinal groove
	1,235,626	08-07-1917	Woodward	1-2	screw	a countersinking screw
	1,238,636	08-28-1917	Christofferson	1-4	screw	a screw head including
	1,288,893	12-24-1918	Holmes	1-3	screw	a screw including a shank provided with a groove
	1,294,268	02-11-1919	Holmes	1-3	screw	a screw including a shank provided with a groove
	1,411,184	03-28-1922	Rosenberg	1-4	screw	a sheet metal screw
	1,451,484	04-10-1923	Woodward	1-2	screw	a thread for a fastener
	1,465,148	08-14-1923	Heyman	1-3	screw	a screw including threads to cut into metal
	1,626,863	05-03-1927	Nacey	1-3	screw	a tension screw
	1,749,903	03-11-1930	Cannon	1-3	screw	a sheet metal screw including a thread pitch decreasing toward the head
	1,802,668	04-28-1930	Newton	1-3	screw	a wood screw that is self centering
	1,862,486	06-07-1931	Trotter	1-6	screw	a self locking screw thread for a nut and a bolt
	1,825,419	09-29-1931	Plym	1-3	screw	a screw including spaced threads adapted to intercept a flange
	1,887,616	11-15-1931	Berg	1-3	screw	a screw head including a spur
	1,874,657	08-30-1932	Trotter	1-4	screw	a set screw including a means for altering the position of the threads
	1,909,477	05-16-1933	Trotter	1-4	screw	a self-tapping screw including a groove
	1,963,542	06-19-1934	Bergstrom	1-3	screw	a self-tapping screw including a flexible means
	1,971,917	08-28-1934	Newton	1-3	screw	a wood screw including prongs or teeth
	2,076,041	04-06-1937	Payne	1-3	screw	a self-threading screw head having a recess
	2,160,706	05-30-1939	Olson	1-4	screw	a self-tapping screw
	2,165,149	07-04-1939	Olson	1-3	screw	a self-tapping screw including a serrated cutting edge
	2,165,011	07-14-1939	Rosenberg	1-12	screw	a thread forming screw including a portion for cutting
	2,174,578	10-03-1939	Graham	1-4	screw	a dowel with spiral ridges
	2,200,227	05-07-1940	Olson	1-4	screw	a threaded fastener that cuts corresponding threads on wall members
	2,217,951	10-15-1940	Hosking	1-4	screw	a self locking screw with male forming projection

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	2,229,892	01-28-1941	Hosking	1-3	screw	a screw with lip preventing back off
	2,232,336	02-18-1941	Meersteiner	1-8	screw	a screw that cuts its own threads
	2,247,981	07-01-1941	Washer	1-4	screw	a method of manufacturing a drive pin
	2,251,201	07-29-1941	Purtell	1-5	screw	a method of manufacturing a drive pin
	2,263,137	11-18-1941	Oesterelcher	1-5	screw	a self-tapping screw
	2,269,476	01-13-1942	Poupitch	1-4	screw	a self locking screw including a locking section and a
	2,278,411	04-07-1942	Braendel	1-3	screw	a self cutting screw with a uniform shank diameter
	2,293,930	08-25-1942	Braendel	1-5	screw	a self-tapping screw that will cut its own thread
	GB 574 634	09-04-1942	Jack Purdue	1-4	screw	a set screw including a washer
	2,297,957	10-06-1942	Hannemann	1-4	screw	a screw including a lock washer
	2,302,675	11-24-1942	Cherry	1-4	screw	a self tapping screw threads rolled onto shaft
	2,330,869	10-05-1943	Cherry	1-6	screw	a self tapping screw
	2,346,835	04-18-1944	Green	1-5	screw	a self-locking screw fastener including spiral grooves
	2,349,592	05-23-1944	Hosking	1-5	screw	a self-locking screw fastener with locking sections (18)
	2,352,982	07-04-1944	Tomalis	1-5	screw	a screw for plastic, including polygonal cross-section
	2,484,644	10-11-1949	Poupitch	1-4	screw	a locking screw including an enlarged root portion
	2,510,203	06-06-1950	Andreasson	1-9	screw	a drilling device including a fluted shaft
	2,562,516	07-31-1951	Williams	1-3	screw	a self-tapping screw
	2,672,659	03-23-1954	Becker	1-3	screw	a screw rotatably mounted on an aperture part
	2,873,641	02-17-1959	Evans	1-6	screw	a screw including a cutting edge at the leading end portion of the tread
	2,959,086	11-08-1960	Gerlach	1-5	screw	a wood screw including a conical recess for the head of the screw
	3,102,746	09-03-1963	Kerr	1-3	screw	a threaded member (28) including a wrench
	3,120,254	02-04-1964	Waltermire	1-3	screw	a self-tapping screw including grid type bearing surface
	3,124,408	03-10-1964	Oestereicher	1-8	screw	a self-threading screw fastener
	3,127,919	04-07-1964	Swanstrom	1-6	screw	a self-clinching headed stud
	3,134,115	05-26-1964	Moore	1-3	screw	a method of making a mutilated thread for a set screw
	3,165,136	01-12-1965	Horton	1-5	screw	a screw and wire nut
	3,177,755	04-13-1965	Kahn	1-6	screw	a wall board screw including a drill structure carried by the pilot end of the shank
	3,180,126	04-27-1965	Carlson	1-6	screw	a self-tapping screw with threaded shank and method
	3,180,202	04-27-1965	Kahn	1-8	screw	a fluteless thread-forming tool with a shank on helical turns
	3,186,464	06-01-1965	Baurnie	1-4	screw	a thread forming screw and apparatus
	3,200,691	08-17-1965	Neuschotz	1-9	screw	a self-tapping and self locking threaded screws
	3,208,328	09-28-1965	Meyers	1-3	screw	a screw including a turning flat on the shank
	3,213,742	10-26-1965	Kahn	1-5	screw	a combination threaded swaging fastening screws
	3,246,556	04-19-1966	Phipard	1-11	screw	a self-tapping threaded screw
	3,286,579	11-22-1966	Lovisek	1-3	screw	a sheet metal screw including marginal portions (11) (12) on the head
	3,322,019	05-30-1967	Lovisek	1-2	screw	a screw for fastening plastic and to supports
	3,346,278	10-10-1967	Yocum	1-5	screw	tapered V-threads
	3,370,631	02-27-1968	James	1-4	screw	a threaded wood fastener
	3,381,733	05-07-1968	Stanwick	1-4	screw	a male threaded form which resists removal from female thread
	3,385,341	05-28-1968	Garstkiewicz	1-4	screw	a threaded fastener with annular clamping surface
	3,389,734	06-25-1968	Gutshall	1-3	screw	a self-tapping screw with threaded shank
	3,398,625	08-27-1968	Ansingh	1-4	screw	a self tapping screw with threaded shank
	3,430,673	03-04-1969	Rapta	1-4	screw	a screw or nut with a toothed lock washer
	3,451,080	06-24-1969	McIntyre	1-8	screw	a paint-removing screw
	3,459,250	08-05-1969	Tabor	1-17	screw	prevailing-torque lock screws
	3,472,119	10-14-1969	Peterson	1-3	screw	a thread forming screw with head and shank
	3,476,010	11-04-1969	Markey	1-4	screw	a fixed screw joint system
	3,481,178	12-02-1969	Wilkins	1-7	screw	a self-tapping screw with axially placed threads
	3,481,380	12-02-1969	Breed	1-7	screw	a self-tapping screw with axially placed threads

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	3,492,908	02-03-1970	Thurston	1-3	screw	a threaded swaging screw or bolt
	3,527,136	09-08-1970	Wilson	1-7	screw	self-retaining thread rolling screw with shank
	3,530,760	09-29-1970	Lindstand	1-4	screw	thread-forming screw with pentagonal shape
	3,540,509	11-17-1970	Gutshall	1-4	screw	a rotary threaded fastener and washer
	3,588,792	06-28-1971	Kindell	1-3	screw	a screw forming a ring tongue terminal
	3,643,543	02-22-1972	Gutshall	1-3	screw	a coarse machine screw with plurality of threads
	3,653,241	04-04-1972	Orlomoski	1-21	screw	a self-locking screw and thread rolling dies for and method of making such screws
	3,661,046	05-09-1972	Waud	1-5	screw	a combination screw with compressible sealing washer
	3,662,643	05-16-1972	Scheffer	1-6	screw	a self-tapping screw insert with flanked threads
	3,687,184	08-29-1972	Wagner	1-5	screw	a screw with washer element
	3,704,739	12-05-1972	Holton	1-5	screw	a screw for use with aperture panel
	3,752,203	08-14-1973	Hill	1-4	screw	a lock-screw with an annular flange
	3,789,644	02-05-1974	Orlomoski	1-9	screw	a self-locking screws and rolling dies formatting screws
	3,822,902	07-09-1974	Maurer	1-6	screw	a threaded connector for tubular goods
	3,856,065	12-24-1974	Gehring	1-4	screw	a lock screw with protuberances on the shank
	3,875,780	04-08-1975	Cochrum	1-10	screw	a thread forming screw of a pentalobular cross section
	3,877,339	04-15-1975	Muenchinger	1-6	screw	a lobular cross section screw
	3,935,785	02-03-1976	Lathom	1-8	screw	a thread swaging screw with poly-gonal cross-section
	3,942,406	03-09-1976	Egner	1-9	screw	a screw with an interrupted thread turn
	3,978,760	09-07-1976	Muenchinger	1-12	screw	a self-threading fastener including a tapered thread
	3,982,575	09-28-1976	Ollis, Jr. et al.	1-6	screw	a thread-forming vibration resistant fastener
	4,040,327	08-09-1977	Otaki	1-8	screw	a symmetric screw including threads with a flat root
	4,071,067	01-31-1978	Goldby	1-8	screw	a screw including a thread with two portions
	4,258,607	03-31-1981	Makwam	1-4	screw	a screw including a thread forming section
	4,350,465	09-21-1982	Lovisek	1-6	screw	a screw including a slotted head flange
	4,373,842	02-15-1983	Bettini et al	1-4	screw	a plastic-headed fastener assembly with sealing flanges
	4,488,843	12-18-1984	Achille	1-6	screw	a drive fastener with a pin
	4,490,092	12-25-1984	Barth	1-4	screw	a screw including a flange provided with undulations
	4,516,893	05-14-1985	Barth	1-8	screw	a screw including a serrated helical ramps
	4,518,294	05-21-1985	Barth	1-4	screw	a fastener including helical ribs
	4,544,313	10-01-1985	Grossberndt	1-4	screw	a screw including a constructed portion
	4,576,533	03-18-1986	Chartier	1-4	screw	an attached cap fastener head
	4,652,194	03-24-1987	Tajima et al.	1-7	screw	a screw thread with notches
	4,673,323	06-16-1987	Russo	1-5	screw	a self tapping stud including two right angled grooves
	4,697,969	10-06-1987	Sparkes	1-4	screw	a wood screw including a spiral flute
	4,718,802	01-12-1988	Rockenfeller et al.	1-6	screw	a screw including a saw tooth profile
	4,749,321	06-07-1988	Knohl et al.	1-5	screw	a sealing fastener with metal insert
	4,770,560	09-13-1988	Ott	1-5	screw	a fastener including a spiral pipe screw
	4,812,095	03-14-1989	Placenti et al.	1-10	screw	a screw including a head provided with ribs
	5,000,638	03-19-1991	Essom et al	1-6	screw	a screw including a series of truncations
	5,074,728	12-24-1991	Hsu	1-3	screw	a screw including helix flutes
	5,088,869	02-18-1992	Greenslade	1-4	screw	a thread rolling screw with helical set of threads
	5,110,245	05-05-1992	Hiroyuki	1-7	screw	a screw including plural slot recessions
	5,183,359	02-02-1993	Barth	1-9	screw	a screw including polyhedral nibs
	2,846,744	08-12-1993	Dix	1-2	screw	a screw device for assembly on a stud
	5,242,253	09-07-1993	Fulmer	1-8	screw	a thread forcing screw
	H1258	12-07-1993	Hindle, Jr.	1-6	screw	screw with an axial groove (50)
	5,340,254	08-23-1994	Heretel et al.	1-15	screw	a thread forming screw for forcing an internal thread
	5,395,195	03-07-1995	Fulmer	1-9	screw	a thread forming screw with tri-roundular tapered end
	5,667,348	09-16-1997	Chen et al	1-6	screw	a screw for fibrous boards
	5,672,037	09-30-1997	Iwata	1-9	screw	a loosening and dislodging preventing screw

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Exam. Init.	Pat. No.	Issue Date	Name of Patentee	Pgs.	Area	Apparent Disclosure
	5,674,035	10-07-1997	Hettick et al	1-8	screw	a thread forming screw for concrete masonry, rock et al.
	5,702,443	12-30-1997	Branemark	1-6	screw	an anchoring element for implantation in bone or other
	5,779,709	07-14-1998	Harris, Jr. et al.	1-11	screw	a under-cut guide alignment system-a screw preferably provided
	6,106,208	08-22-2000	Lin	1-9	screw	a screw with removing curved grooves
	6,152,412	11-28-2000	Basickes et al	1-14	screw	a screw used to hold up piping
	6,225,566	05-01-2001	Dienst	1-9	screw	a screw used with a space
	6,336,779	03-19-2002	Jakob et al.	1-7	screw	a screw used with plastic material
	449,887	04-07-1891	Harvey	1-3	screw	a wood screw
	497,510	05-16-1893	Adler	1-3	screw	a screw for use in wood
	453,563	06-02-1891	Nicholson	1-2	screw	a wood screw
	429,851	06-10-1890	Ericson	1-3	screw	a screw including a channel
	586,232	07-13-1897	English	1-3	screw	a screw including sharp corners to cut away wood
	205,990	07-16-1878	Armstrong	1-3	screw	a screw
	388,000	08-14-1888	Rider	1-3	screw	a countersinking screw
	142,112	08-26-1873	Corning	1-2	screw	a screw
	33,487	10-15-1861	Marsh	1-2	screw	a screw
	45,133	11-22-1864	Bonwill	1-3	screw	a screw
	1,143,091	06-15-1915	Stimpson	1-4	washer	a pliable washer
	1,543,282	06-23-1925	De Loe	1-3	washer	a nut lock used with a washer
	1,668,025	05-01-1928	Olson	1-3	washer	a lock washer including ramps
	1,821,312	09-01-1931	Lillig	1-3	washer	a corrugated lock washer
	1,938,399	12-05-1933	Olson	1-3	washer	a lock washer including peripheral teeth
	2,012,032	08-20-1935	Zinnbauer	1-6	washer	a lock-washer with raised and depressed portions
	2,041,568	05-19-1936	Olson	1-3	washer	a lock-washer with a plurality of teeth
	2,102,494	12-14-1937	Connell	1-4	washer	a lock-washer including prongs
	2,191,101	02-20-1940	Stellin	1-11	washer	a lock washer including locking elements
	2,210,455	08-06-1940	Hosking	1-3	washer	a lock washer including elements extending in both directions
	2,228,217	01-07-1941	Olson	1-7	washer	a lock-washer including locking teeth
	2,271,732	02-03-1942	Chapplus	1-6	washer	a lock washer including ratchet teeth
	2,266,555	12-16-1942	Jordan	1-3	washer	a lock washer including flaps
	2,350,756	06-06-1944	Heinold	1-4	washer	a lock washer including teeth
	2,352,265	06-27-1944	Kapple	1-7	washer	a method of manufacturing a cupped washer
	2,486,769	10-01-1949	Watson	1-5	washer	a method of manufacturing a staked boss
	2,557,288	06-19-1951	Hosking	1-2	washer	a lock-washer including locking fingers
	2,675,844	04-20-1954	Knohl	1-3	washer	a lock washer including ribs (24)
	3,190,334	06-22-1956	Wigman	1-3	washer	a lock-washer including work engaging teeth
	2,778,399	01-22-1957	Mroz	1-3	washer	a washer including outer barbs (26)
	2,779,376	01-29-1957	Poupitch	1-4	washer	a lock washer formed so that it may initially compress under relatively light loads
	2,794,476	06-04-1957	Hannemann	1-5	washer	a dished out washer
	3,077,218	02-12-1963	Ziegler	1-5	washer	a lock-washer including shoulder (5) (6)
	3,194,292	07-13-1965	Borowsky	1-2	washer	a lock-washer including a plurality of wedge-shaped burred teeth
	3,263,727	08-02-1966	Herpolsheimer	1-5	washer	a lock washer including locking elements
	3,329,190	07-04-1967	Oldenkott	1-6	washer	a lock washer and assembly for locking nut
	3,332,464	07-25-1967	Castel	1-4	washer	a convex spring lock washer
	3,352,344	11-14-1967	Lanius	1-4	washer	a dished lock washer for securing screws
	2,034,494	03-17-1969	Stoll	1-4	washer	a washer including serrated ratchet teeth (18)
	3,485,134	12-23-1969	Ott	1-5	washer	a decorative washer with cap
	3,895,663	07-22-1975	Bachline	1-8	washer	a locking device with a toothed face
	4,103,725	08-01-1978	Abe	1-7	washer	a conically-shaped spring washer
	4,377,361	03-22-1983	Frieberg	1-5	washer	a lock washer including cam surfaces
	4,538,313	09-03-1985	Frieberg	1-4	washer	a lock washer including a wedge-type locks
	4,971,498	11-20-1990	Goforth	1-10	washer	a washer used in wheel assembly

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Exam. Init.	Cite No.	Non Patent Literature Documents	Area	Apparent Disclosure	T
		Textron Fastening Systems Torx Drive System, 2001, Pages 1-8, Textron	bolt	bolts including Terx ® drive system	
		N. FUGIMOTO, Notification of Reasons for Rejection, July 28, 2005, Pages 1-5, Japanese Patents	nut	Japanese Office Action for Japanese Patent Application No. 2002-239097	
		C.J. HUUSOM, Communication pursuant to Article 96(2) EPC, February 12, 2004, Pages 1-3, European Patent	nut	Patent Office Action 96 (2) communication for EP 02252350	
		H. GRANGER, Supplementary European Search Report, February 23, 2006, Pages 1-2	nut	European Search report for EP 01979963	
		C. MARTIN, European Search Report, May 20, 2003, Page 1-4, European Patent Office	nut	European Search report for EP 02252442	
		Cited, February 14, 2006, Page 1, United States Patent and Trademark Office	nut	Reference cited-U.S. application No. 10/713,611	
		C. MARTIN, Supplementary European Search Report, February 18, 2005, Page 1-3, European Patent Office	nut	European search report for EP 02778232	
		C. MARTIN, European Search Report for Application No. EP 99102819, June 1, 1999, Page 1-2, European Patent Office	nut	European search report for EP 99102819	
		Pages 1-2, The National Institute of Industrial Property, Republic of France	nut	Search report for FR 9805719	
		Examiner, Translation of Notification of Reasons of Rejection, 3-13-1998, Pages 1-2, Japanese Patent Office	nut	Office Action for Japanese Patent Application No. 5078197	
		Translation of Relevant Portions of JP-U-A-63-152822, which was cited as Reference 2 in the above-referenced Japanese Office Action, Circa November 1997, Page 1	nut	Translation of JP-U-A-63-152822	
		NorthWest Short Line -- "Bits of Knowledge for Sharing, Page 1	Nut & Bolt	a knurling process for a bolt or a nut.	
		HOFFMANN, M.P., European Search Report for EP 88 11 5654, October 3, 1989, Page 1, European Patent Office	nut & bolt	European Search report for EP 88115654	
		N. FUGIMOTO, Translation of Official Action, January 4, 2006, Pages 1-5, Japanese Patent Office	nut & bolt	Office Action for Japanese patent App. 051389/99	
		C. MARTIN, Supplementary European Search Report, June 31, 2006, Page 1-3, European Patent Office	nut & bolt	European Search report for EP 03796415	
		Translation of Office Action Circa November 1997, Page 1, Japanese Patent Office	nut & bolt	Japanese Office Action November 1997	
		Translation of Relevant Portions of JP-U-A-56-148166, which was cited as Reference 1 in the above-referenced	nut & bolt	Translation of JP-U-A-56-148116	
		Examiner, Translation of Notification of Reasons of Rejection, 6-28-1996, Pages 1-2, Japanese Patent Office	nut & washer	Office Action for Japanese Patent Application No. 35420/88	
		Examiner, Translation of Notification of Reasons of Rejection, 2-5-1997, Pages 1-2, Japanese Patent Office	nut & washer	Office Action for Japanese Patent Application No. 35470/88	